

Title (en)
APPARATUS AND METHODS FOR MAKING CROSSLINKED ELASTIC LAMINATES

Title (de)
VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON VERNETZTEN ELASTISCHEN LAMINATEN

Title (fr)
APPAREIL ET PROCEDE POUR FABRIQUER DES STRATIFIES ELASTIQUES RETICULES

Publication
EP 1926594 B1 20130522 (EN)

Application
EP 06771958 A 20060602

Priority
• US 2006021466 W 20060602
• US 21831305 A 20050901

Abstract (en)
[origin: US2007044905A1] An apparatus for making an elastic laminate including a crosslinked elastic layer formed of an elastic copolymer includes a die for extruding a layer of crosslinkable elastic copolymer, at least one roll for conveying the elastic layer, a supply source for providing at least one nonwoven web, a lamination nip for laminating at least one nonwoven web to the elastic layer, a processing unit for crosslinking the elastic layer and a winder for collecting the elastic laminate. The crosslinkable elastic copolymer may be a crosslinkable elastic styrenic block copolymer, a crosslinkable semi-crystalline polyolefin plastomer, or a crosslinkable propylene-ethylene copolymer. The crosslinkable elastic layer may be extruded in the form of a plurality of parallel filaments such as by a filament die. The processing unit may be positioned between the at least one roll and the lamination nip or may be positioned between the lamination nip and the winder. The processing unit may have an open or a closed configuration and may be an electron beam processing unit.

IPC 8 full level
B32B 37/15 (2006.01); **B32B 38/00** (2006.01)

CPC (source: EP KR US)
B32B 37/15 (2013.01 - KR); **B32B 37/153** (2013.01 - EP US); **B32B 37/20** (2013.01 - KR); **B32B 38/00** (2013.01 - KR); **B32B 38/0036** (2013.01 - EP US); **B32B 37/203** (2013.01 - EP US); **B32B 38/1858** (2013.01 - EP US); **B32B 2310/0831** (2013.01 - EP US); **B32B 2310/0887** (2013.01 - EP US); **B32B 2555/02** (2013.01 - EP US)

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
US 2007044905 A1 20070301; **US 7384491 B2 20080610**; AU 2006287942 A1 20070315; AU 2006287942 B2 20110324; BR PI0614273 A2 20110322; BR PI0614273 B1 20171017; CN 101253046 A 20080827; CN 103753941 A 20140430; EP 1926594 A1 20080604; EP 1926594 B1 20130522; KR 101271368 B1 20130607; KR 20080038378 A 20080506; WO 2007030170 A1 20070315

DOCDB simple family (application)
US 21831305 A 20050901; AU 2006287942 A 20060602; BR PI0614273 A 20060602; CN 200680031741 A 20060602; CN 201410004855 A 20060602; EP 06771958 A 20060602; KR 20087005008 A 20060602; US 2006021466 W 20060602